

<110> Juridical Foundation The Chemo-Sero-Therapeutic Research Institute

<120> Human anti-human interleukin-6 antibody and fragment thereof

<130> 663984

<150> JP 2002-253036

<151> 2002-08-30

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<211> 351

<212> DNA

<213> Homo sapiens

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tcc cta aga ctc tca tgt gca gcc tct gga ttc acc ttc aga aag tat 96

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Lys Tyr

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tac atg gcc tgg atc cgc cag gct cca ggg aag ggg ccg gag tgg ctt 144

Tyr Met Ala Trp Ile Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Leu

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tca acc att agt aac agc ggt gat atc ata gac tat gca gac tct gtg 192

Ser Thr Ile Ser Asn Ser Gly Asp Ile Ile Asp Tyr Ala Asp Ser Val

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agg ggc cgg ttc tcc atc tcc agg gac aat gcc cag aag tca ctg tat 240

Arg Gly Arg Phe Ser Ile Ser Arg Asp Asn Ala Gln Lys Ser Leu Tyr

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70

75

80

2/6

ctg caa atg acc tcc ctg aga ccc gac gac tcg gcc atc tat tac tgt 288

Leu Gln Met Thr Ser Leu Arg Pro Asp Asp Ser Ala Ile Tyr Tyr Cys

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90

95

gcg agg gaa tat ttc ttt tct ttt gat gtg tgg ggc cga ggg aca atg 336

Ala Arg Glu Tyr Phe Phe Ser Phe Asp Val Trp Gly Arg Gly Thr Met

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gtc acc gtc tcc tca

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Val Thr Val Ser Ser

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<210> 2

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<212> PRT

<213> Homo sapiens

<400> 2

Gln Val Asn Leu Arg Glu Ser Gly Gly Asp Leu Val Lys Pro Gly Gly

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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Lys Tyr

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Tyr Met Ala Trp Ile Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Leu

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Ser Thr Ile Ser Asn Ser Gly Asp Ile Ile Asp Tyr Ala Asp Ser Val

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Arg Gly Arg Phe Ser Ile Ser Arg Asp Asn Ala Gln Lys Ser Leu Tyr

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Leu Gln Met Thr Ser Leu Arg Pro Asp Asp Ser Ala Ile Tyr Tyr Cys

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Ala Arg Glu Tyr Phe Phe Ser Phe Asp Val Trp Gly Arg Gly Thr Met

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3/6

Val Thr Val Ser Ser

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<212> DNA

<213> Homo sapiens

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gac aga gtc acc atc ttt tgt cgg gcg agt cag gat att agg aat tgg 96

Asp Arg Val Thr Ile Phe Cys Arg Ala Ser Gln Asp Ile Arg Asn Trp

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gta gcc tgg tat caa cag aaa cca ggt gag gcc cct aaa tta ttg atc 144

Val Ala Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile

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tat gat gga tcg agt ttg caa agt ggg gtc cca tca agg ttc agc ggc 192

Tyr Asp Gly Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

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agt gga tct ggg aca gaa ttc act ctc aca atc agc agc ctg cag cct 240

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

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gaa gat ttt gca act tac tac tgt caa cag agt gac agt acc cct att 288

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asp Ser Thr Pro Ile

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acc ttc ggc caa ggg aca cga ctg gag att aaa cgt 324

Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg

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4/6

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<211> 108

<212> PRT

<213> Homo sapiens

<400> 4

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 20 25 30
Val Ala Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile
 35 40 45
Tyr Asp Gly Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80
Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asp Ser Thr Pro Ile
 85 90 95
Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg
 100 105

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<212> PRT

<213> Homo sapiens

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5/6

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<213> Homo sapiens

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<211> 8

<212> PRT

<213> Homo sapiens

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<210> 8

<211> 11

<212> PRT

<213> Homo sapiens

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<223> CDR1 of corresponding to amino acids No. 24 to No. 34 in SEQ ID

6/6

NO: 4

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<210> 9

<211> 7

<212> PRT

<213> Homo sapiens

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<223> CDR2 corresponding to amino acids No. 50 to No. 56 in SEQ ID NO: 4

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<210> 10

<211> 10

<212> PRT

<213> Homo sapiens

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<223> CDR3 corresponding to amino acids No. 89 to No. 98 in SEQ ID NO: 4

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